

MULTI-CHANNEL UNDULATIVE INDUCTION ACCELERATOR

ABSTRACT OF THE DISCLOSURE

5 A multi-channel undulation induction accelerator of charged particles, comprising an injector block, drive source, output systems, turning systems, and induction acceleration block, which is made in the form of at least two one-channel linear induction acceleration blocks (including those that are placed parallel with one to other), linked by means of turning systems, each of which connects an output of one of the one-channel linear induction acceleration blocks with an input of another, similar block. At least one of the turning systems is made in the form of a sequence  
10 of fragments of solenoid, which are joined with each other in such a manner that they form a working channel for the charged particle beam, which accomplish a 180° or less angle turn.